

# WOAH Reference Laboratory Reports Activities 2023

## Activities in 2023

This report has been submitted : 12 juin 2024 13:03

### Laboratory Information

<b>Name of disease (or topic) for which you are a designated WOA Reference Laboratory:</b>	Porcine reproductive and respiratory syndrome
<b>Address of laboratory:</b>	Partyzantow Str. 57; 24-100 Pulawy
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<b>Website:</b>	https://www.piwet.pulawy.pl/
<b>Name (including Title) of Head of Laboratory (Responsible Official):</b>	Professor Stanisław Winiarczyk, DVM, PhD, ScD
<b>Name (including Title and Position) of WOA Reference Expert:</b>	Katarzyna Podgórska, MSc, PhD, Assistant Professor, Head of Swine Diseases Department
<b>Which of the following defines your laboratory? Check all that apply:</b>	Governmental

### TOR1: DIAGNOSTIC METHODS

1. Did your laboratory perform diagnostic tests for the specified disease/topic for purposes such as disease diagnosis, screening of animals for export, surveillance, etc.? (Not for quality control, proficiency testing or staff training)

Yes

Diagnostic Test	Indicated in WOA Manual (Yes/No)	Total number of test performed last year	
		Nationally	Internationally
Indirect diagnostic tests			
ELISA		5377	11
Direct diagnostic tests			
RT-PCR		508	22

### TOR2: REFERENCE MATERIAL

2. Did your laboratory produce or supply imported standard reference reagents officially recognised by WOA?

No

3. Did your laboratory supply standard reference reagents (nonWOA-approved) and/or other diagnostic reagents to WOA Members?

Yes

TYPE OF REAGENT AVAILABLE	RELATED DIAGNOSTIC TEST	PRODUCED/ PROVIDE	AMOUNT SUPPLIED NATIONALLY (ML, MG)	AMOUNT SUPPLIED INTERNATIONALLY (ML, MG)	NO. OF RECIPIENT WOA MEMBER COUNTRIES	COUNTRY OF RECIPIENTS
Serum positive for PRRSV-specific antibodies	ELISA	Produced 10 ml	2 ml	3 ml	2	POLAND,
Serum negative for PRRSV-specific	ELISA	Produced 50 ml	32 ml	-	1	CZECH REPUBLIC,

antibodies						POLAND,
Reference RT-PCR Positive control	RT-PCR	Produced 90 vials x 150 µl	2 ml	-	1	POLAND,

4. Did your laboratory produce vaccines?

No

5. Did your laboratory supply vaccines to WOAHA Members?

No

### **TOR3: NEW PROCEDURES**

6. Did your laboratory develop new diagnostic methods for the designated pathogen or disease?

No

7. Did your laboratory validate diagnostic methods according to WOAHA Standards for the designated pathogen or disease?

No

8. Did your laboratory develop new vaccines for the designated pathogen or disease?

No

9. Did your laboratory validate vaccines according to WOAHA Standards for the designated pathogen or disease?

No

### **TOR4: DIAGNOSTIC TESTING FACILITIES**

10. Did your laboratory carry out diagnostic testing for other WOAHA Members?

Yes

NAME OF WOAHA MEMBER COUNTRY SEEKING ASSISTANCE	DATE	WHICH DIAGNOSTIC TEST USED	NO. SAMPLES RECEIVED FOR PROVISION OF DIAGNOSTIC SUPPORT	NO. SAMPLES RECEIVED FOR PROVISION OF CONFIRMATORY DIAGNOSES
SOUTH AFRICA	2023-08-25	ELISA, RT-PCR	0	11

11. Did your laboratory provide expert advice in technical consultancies on the request of an WOAHA Member?

Yes

NAME OF THE WOAHA MEMBER COUNTRY RECEIVING A TECHNICAL CONSULTANCY	PURPOSE	HOW THE ADVICE WAS PROVIDED
CZECH REPUBLIC	Recommendations on pooling samples for RT-PCR and RT-PCR validation.	Remote
FINLAND	Validation of ELISA test.	Remote

### **TOR5: COLLABORATIVE SCIENTIFIC AND TECHNICAL STUDIES**

12. Did your laboratory participate in international scientific studies in collaboration with WOAHA Members other than the own?

No

13. In exercising your activities, have you identified any regulatory research needs\* relevant for WOAHA?

No

### **TOR6: EPIZOOLOGICAL DATA**

14. Did your Laboratory collect epidemiological data relevant to international disease control?

Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

Monitoring of PRRSV infections in Poland.

15. Did your laboratory disseminate epidemiological data that had been processed and analysed?

Yes

IF THE ANSWER IS YES, PLEASE PROVIDE DETAILS OF THE DATA COLLECTED:

Annual report on the occurrence of PRRSV infections in Poland.

16. What method of dissemination of information is most often used by your laboratory? (Indicate in the appropriate box the number by category and list the details in the box)

a) Articles published in peer-reviewed journals:

b) International conferences:

c) National conferences:

d) Other (Provide website address or link to appropriate information):

1

Annual report on the national surveillance for PRRS, submitted to the Ministry of Agriculture and Rural Development, Poland

## **TOR7: SCIENTIFIC AND TECHNICAL TRAINING**

17. Did your laboratory provide scientific and technical training to laboratory personnel from other WOAHP Members?

No

## **TOR8: QUALITY ASSURANCE**

18. Does your laboratory have a Quality Management System?

19. Is your quality management system accredited?

20. Does your laboratory maintain a "bio-risk management system" for the pathogen and the disease concerned?

## **TOR9: SCIENTIFIC MEETINGS**

21. Did your laboratory organise scientific meetings related to the pathogen in question on behalf of WOAHP?

No

22. Did your laboratory participate in scientific meetings related to the pathogen in question on behalf of WOAHP?

No

## **TOR10: NETWORK WITH WOAHP REFERENCE LABORATORIES**

23. Did your laboratory exchange information with other WOAHP Reference Laboratories designated for the same pathogen or disease?

No

24. Do you network (collaborate or share information) with other WOAHP Reference Laboratories designated for the same pathogen?

No

25. Did you organise or participate in inter-laboratory proficiency tests with WOAHP Reference Laboratories designated for the same pathogen?

No

26. Did your laboratory collaborate with other WOA Reference Laboratories for the same disease on scientific research projects for the diagnosis or control of the pathogen of interest?

No

## TOR11: OTHER INTERLABORATORY PROFICIENCY TESTING

27. Did your laboratory organise or participate in inter-laboratory proficiency tests with laboratories other than WOA Reference Laboratories for the same pathogen?

Yes

Purpose for inter-laboratory test comparisons <sup>1</sup>	Role of your reference laboratory (organizer/participant)	No. participating laboratories	Name of the Test	WOAH Member Countries
Determining a laboratory's capability to conduct specific diagnostic tests	Organizer (participants - state veterinary laboratories)	4	ELISA	POLAND,

## TOR12: EXPERT CONSULTANTS

28. Did your laboratory place expert consultants at the disposal of WOA?

29. Additional comments regarding your report:

Yes

*ToR 3 New procedures: The porcine reproductive and respiratory syndrome is endemic in most of pig-producing countries. Multiple commercial diagnostic kits are available and new commercial kits are introduced to the market each year. Our laboratory performs a thorough evaluation of new kits, including analysis of gaps in validation and confirmation of selected validation parameters, and issues opinions for veterinary services on their potential use. In 2023 two RT-PCR kits and one ELISA kit were evaluated and approved for use in PRRS diagnostics.*

*ToR 5: In 2023 our laboratory participated in the preparation of an application for collaborative scientific study within the European Partnership for Animal Health and Welfare, which was approved and started in 2024.*

*ToR 7 Scientific and technical training: In 2023 there were no requests for technical training. The laboratory is fully prepared to provide the infrastructure and expertise for international testing and training if required. Additionally each year seminars are organized for Polish veterinary services and agriculture advisory organizations.*